# Luis Francisco Zuniga

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#### Education

### Olin College of Engineering, Needham, MA

Bachelor of Science - Engineering

December 2022

• Relevant Coursework: Fundamentals of Robotics, Fundamentals of Computer Science, Data Science, Software Design, Databases,

## South Texas College, McAllen, TX

Associates of Science - Mathematics

May 2022

• Relevant Coursework: Calculus I,II, & III, Statistics

Skills

Software: Adobe Creative Suite, Microsoft Office Suite, DaVinci Resolve, Blender 3D, Meshroom, and Meshlab Programming: C/C++, Python, Google Colab, OCaml, MATLAB, and Mathematica

### Experience

# Olin Office of Post Graduate Planning Student Intern

Sept 2017 - May 2019

- Updated Jenzebar spreadsheets of student and alum information
- Designed and distributed event flyers
- Networked alum with other PGP resources and contacts
- Edited video

#### Mathnasium Tutor

Sept 2019 - Dec 2019 March 2022 - Present

- Tutored students, elementary through high school, using Mathnasium specific methods
- Guided students through new and familiar math concepts
- Reinforced good math habits

# Olin College IPF Grant Intern

May 2020 - Dec 2021

Engineers' Conductorless Orchestra Hub Web Project

- Designed an intuitive website layout to guide users
- Coded a working prototype using HTML, JavaScript and CSS that was later ported to the OpenScholar infrastructure
- Coordinated the acquisition of necessary sound and video files

## Software Design Class Project

Spring 2018

Time Management Web App

- Utilized Flask and HTML to create a dynamic user interface
- Designed a database using SQLite3 to store profiles and relevant user data

#### Volunteering

# Palm Valley Animal Center

Approx. Fall 2013 - Spring 2019

- $\bullet$  Walk large and medium sized dogs in outdoor area
- Social with cats using cat toys on string

# Quinta Mazatlan World Birding Center

Approx. Fall 2013 - Spring 2019

- Photographer for volunteer award event and children's summer camp
- Planted cacti and other native plants under direction of volunteer coordinator
- $\bullet$  Cleaned pond by pulling up lilly pads from root ball
- Trimmed trees using sheers, loppers and pole saw

#### **Additional Activities**

### **Amateur Photography**

Fall 2018 - Present

- Digital photography of Birds at Quinta Mazatlan World Birding Center
- Film photography of Suburban North Adams, MA
- Examples on Instagram: @luis\_f\_zuniga

#### 3D Scanning

Fall 2020 - Present

- Use photogrammetry to create 3D models of objects and physical spaces (Meshroom and Regard 3D)
- Remeshing pointclouds using MeshLab
- Examples on Instagram: @luis\_f\_zuniga

## SODIUM Improv Troupe Member

Fall 2017 - Present

- Team Lead for the Fall 2021 Semester
- Record, Edit and Publish performances onto troupe Facebook Page
- Perform in College Comedy Festival and monthly campus shows